

the Paper from the Hair, when the Paper is nearer the Hair than when it is at a great distance from it.

O B S. II.

The shadows of all Bodies (Metals, Stones, Glasse, Wood, Horn, Ice, &c.) in this Light were bordered with three parallel fringes or bands of coloured Light, whereof that which was contiguous to the shadow was broadest and most luminous, and that which was remotest from it was narrowest, and so faint, as not easily to be visible. It was difficult to distinguish the Colours unless when the Light fell very obliquely upon a smooth Paper, or some other smooth vvhite Body, so as to make them appear much broader than they vvould otherwise do. And then the Colours were plainly visible in this order : The first or innermost fringe was violet and deep blue next the shadow, and then light blue, green and yellow in the middle, and red vvithout. The second fringe vvvas almost contiguous to the first, and the third to the second, and both vvvere blue vvithin and yellow and red vvithout, but their Colours vvvere very faint especially those of the third. The Colours therefore proceeded in this order from the shadow, violet, indico, pale blue, green, yellow, red ; blue, yellow, red ; pale blue, pale yellow and red. The shadows made by scratches and bubbles in polished plates of Glasse vvvere bordered vvith the like fringes of coloured Light. And if plates of Looking-glasse sloop'd off near the edges vvith a Diamond cut, be held in the same beam of Light, the Light which passes through the parallel planes of the Glasse will be bordered with the like fringes of Colours

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